CiragoLink+

Network USB Storage Device

(NUS2000)

Users Manual

V. 2.2.1

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About This Manual

All information in this manual has been carefully verified to ensure its correctness. In case of an error, please provide us with your feedback. Cirago International Limited reserves the right to modify the contents of this manual without notice.

Limited Warranty

Cirago International Limited guarantees all components of Cirago NUS2000 are thoroughly tested before they leave the factory and should function normally under general usage. In case of any system malfunctions, Cirago International Limited and its local representatives and dealers are responsible for repair without cost to the customer if the product fails within the warranty period and under normal usage. Cirago International Limited is not responsible for any damage or loss of data deemed to be caused by its products. It is highly recommended that users conduct necessary back-up practices.

1. Introduction

Thank you for purchasing the Cirago Network USB Storage Link NUS2000. This device enables sharing files with users in your network easily. Simply insert your USB storage into the NUS2000, connect the device to your network, configure some basic settings, and you are ready to share your files on your NUS2000. With the introduction of the CiragoLink, the files sharing is no longer restrict to local access but extend your access remotely via Internet

The NUS2000 has a simple and clear web interface enabling easy setup and configuration.

Main Features

- Convert any USB storage device into a Network Attached Storage device
- Share music libraries using the built-in iTunes server
- Stream photos, music and movies to compatible entertainment devices using UPnP protocol
- Download directly to connected USB devices using the built-in BitTorrent client
- Access printers over a network connection using the built-in Print Server
- Setup and administration is easy though the web interface
- Supports multiple user accounts and permission levels
- Small size and low power consumption

Package Contents

- NUS2000 Storage Link
- Users Manual
- Power Adaptor
- CAT 5e Ethernet Cable

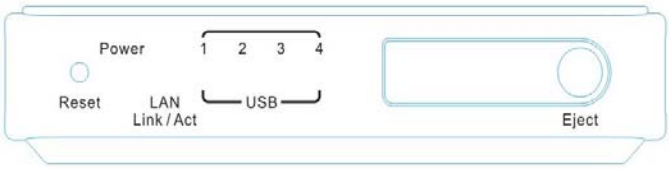
Quick Notes

Web browser: http://NUS2000:1010

Default Login Information: Username: admin Password: 000000

2. Hardware & Installation

The Front Panel



Display

Power: Indicates the power is on

LAN: ON - network connected to switch / hub
Blink - indicates live network activity.

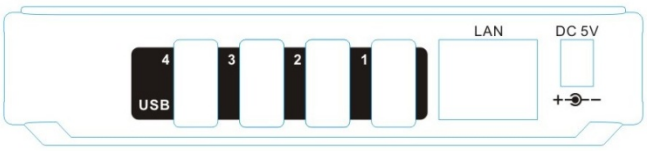
USB 1-4: On when a USB device plugged into the corresponding ports. They also act as status indicators:
Power Up > USB 4 Blink (4 sec) > USB 4 OFF (5 sec) > USB ON (if device plugged) > USB 1-4 Blink twice

Buttons

Reset: Protected button to reset the system to default parameters in order to recover the unit, activate only in the power up diagnostic stage for the 4 seconds the USB 4 LED is blinked. If the reset is accepted, all USB LEDs will flash for a second, then you can release the button and the system will boot up with factory default settings.

Eject: In order to safely unplug the USB storage, hold down the Eject button for 1 second and wait until all USB LEDs are off and then unplug the USB device. Alternatively, you can eject a connected USB storage through the web interface. In the TOOLS menu, select “Unplug” and then select the device you wish to unplug.
After the USB device is removed, you can push this button again (1 sec) to resume the operation of the remaining connected USB devices.

The Back Panel



DC Power Jack: Socket for DC Power Plug 5V, 2A

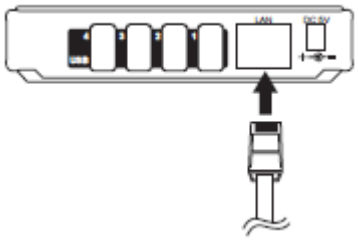
LAN Port: Gigabit 10/100/1000 Ethernet socket

USB 1-4 Socket: USB type A connectors

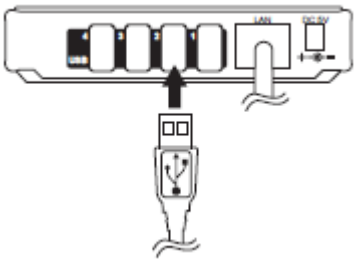
Installation

Please follow the following steps to install your NUS2000.

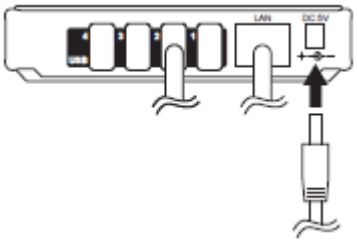
Step 1. Connect the Ethernet cable to the network switch and USB NAS



Step 2. Connect the USB device to the NUS2000



Step 3. Connect the power adaptor

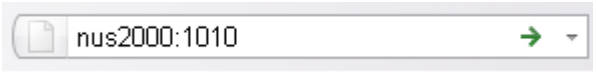


Step 4. The LED lights on the front panel will light up

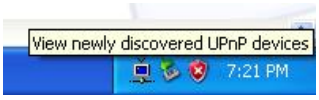
3. Web Configuration

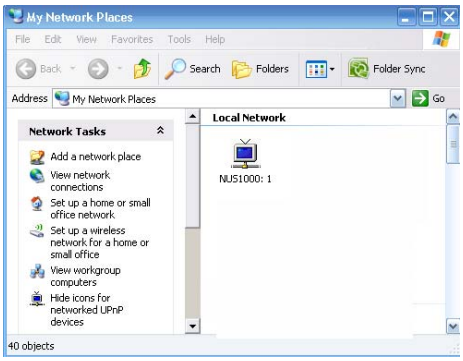
The NUS2000 has a built-in web interface for easy setup and configuration.

1. On a PC, use a web browser such as IE, Firefox, or Chrome and type in http://NUS2000:1010 - "NUS2000" is the factory default name. The name given to the NUS2000 can be changed from the setup menu. If the name is changed, please use the new name to access it.



2. If your computer's UPnP is enabled you can search your Network Neighborhood for the NUS2000.




My Network Places
File Edit View Favorites Tools Help
Back Search Folders Folder Sync
Address My Network Places
Go
Network Tasks
Add a network place
View network connections
Set up a home or small office network
Set up a wireless network for a home or small office
View workgroup computers
Hide icons for networked UPnP devices
Local Network
NUS1000: 1
40 objects

Then click the UPnP device icon to enter the configuration page of the device.

3. Using an Apple computer, with Safari, type http://nus2000**.local**:1010 to enter the admin page.

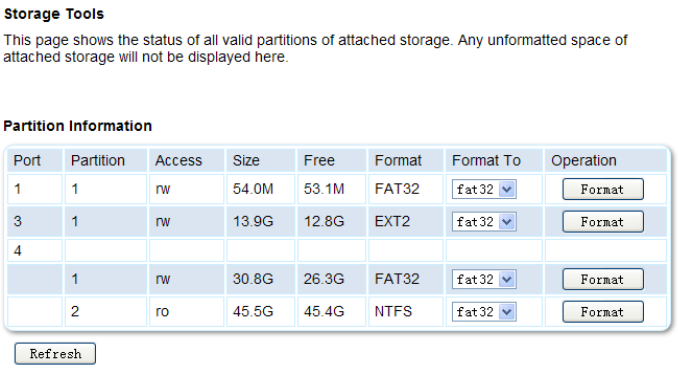
4. If you still cannot connect, reset the unit to factory default settings and setup your PC on the same IP subnet, ie. 192.168.1.xxx, the default IP address for the NUS2000 is 192.168.1.66. Use a browser to go to http://192.168.1.66:1010.

5. A window will pop up asking for login information. Please enter the default Username as "admin" and Password as "000000"

6. After entering the login information, the web interface for the NUS2000 will be displayed.

7. Configuring the settings of the NUS2000 can be done from the Tools menu. Select Storage Tools to view and format any connected USB devices.

8. A partition information table will be displayed


Storage Tools
This page shows the status of all valid partitions of attached storage. Any unformatted space of attached storage will not be displayed here.
Partition Information
Port Partition Access Size Free Format Format To Operation
1 1 rw 54.0M 53.1M FAT32 fat32 Format
3 1 rw 13.9G 12.8G EXT2 fat32 Format
4
1 rw 30.8G 26.3G FAT32 fat32 Format
2 ro 45.5G 45.4G NTFS fat32 Format
Refresh

9. Format the partition the drives to NTFS, FAT32 or EXT2. If a partition has been formatted in a format other than FAT32, EXT2 or NTFS, it will be shown as “UNDEF”.

10. Rebooting the system after you have formatted a new partition is recommended.

11. Alternatively, you can access the Web Admin through your iPhone or iPad. Just start the Safari browser and type http://nus2000.local:1010, then enter the “admin” user and password.

12. To get remote disk access, you need to register your account on www.ciragolink.com with a valid email. Then activate the service through the Web Admin page:

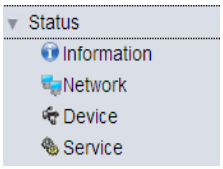
Now You can use your WebDAV application to access the box either locally or remotely with proper URL path configuration and the NUS becomes your iPhone / iPad extended storage.

4. Detailed Functions

The Admin page has the left menu showing the selection. Clicking that row or the triangle in front of the menu item, the list will expand to have display the sub-menu.

4.1. Status

Select STATUS from menu on the left.



Information

This page displays the general information of the hardware setup and the specific server information as shown below.

Information

System Time	2011/5/16 07:36:47
MAC Address	00:13:3B:0C:20:E3
Model	NUS2000
Device Id	1002982345
Firmware Version	2.2.1
Server Name	NUS2000
Work Group	WORKGROUP
Description	Network USB Storage Link
Uptime	23 min

Network

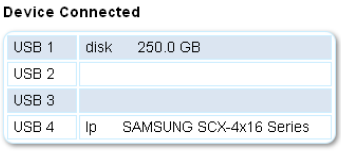
This page displays network information, including gateway and DNS information.

Network Information

IP Address	192.168.0.145
Subnet Mask	255.255.255.0
Gateway	192.168.0.1
Primary DNS	208.67.220.220
Secondary DNS	156.154.70.1

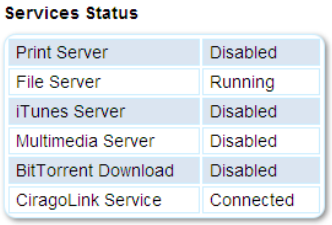
Device

This page displays the USB devices that are connected to the NUS2000.



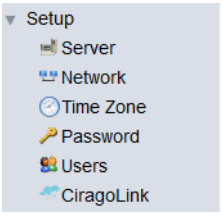
Service

This page shows the services that are currently enabled or disabled.



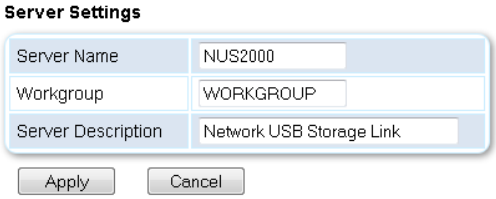
4.2. Setup

Select SETUP from the menu on the left to configure the settings of the NUS2000 and shows the submenu.



Server

This page shows the name of the NUS2000 so that you can access the unit in the Windows network by its name instead of using the IP address that may be changed if you are using DHCP (IP address distribution). The default name is “NUS2000”. If there are multiple units attached to the same network, we recommend that you assign a different name to each unit so as to avoid confusion.

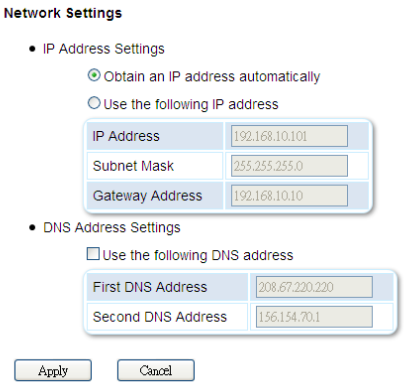


In order to be recognized by its name in the Windows network, the NUS2000 and PC must have the same workgroup name.

Network

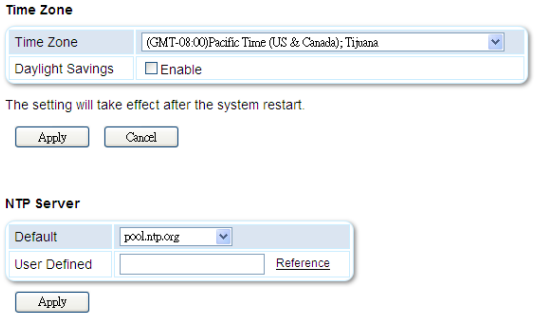
This page allows users to configure the network connection. The default is DHCP that requires a DHCP server to assign an IP to the device. Usually, your router is also the DHCP server that is responsible to allocate the IP address to attached network devices such as your PC or devices like the NUS2000.

There is an option to define a fixed IP address. This is recommended for experienced users. Two default DNS servers are provided but should be changed to the DNS servers that your ISP recommends.



Time Zone

The NUS2000 uses the network time server to synchronize its clock. Select time zone and daylight savings options and hit Apply to save settings.

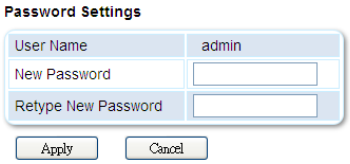


NOTE: You can choose from the two NTP servers provided or you can enter your specific NTP server name

NOTE: Reboot the device to permanently activate any changes made.

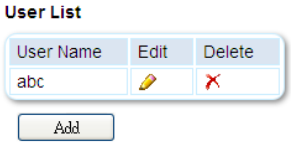
Password

The default administrator password is “000000”. Changing this to an alphanumeric password is recommended. This is most important to change that password and create the users list especially when you enable your NUS to connect to the CiragoLink Service



Users

Add new users using this feature. Enter in a User Name and Password and click “Save” to continue. On the user list, click “edit” icon to modify the password or click “delete” icon to remove the user account from the list. Please note that the user list is applicable to the File Server and WebDAV server.

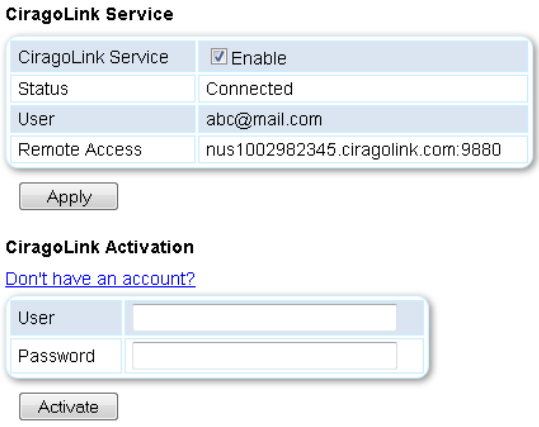


CiragoLink Service

Owner of the NUS box needs to register to CiragoLink service to enable the Internet Remote Disk Access, After registration with your email account with www.ciragolink.com, Then on the CiragoLink admin page, you just enter the registered user and password information and activate the unit.

After activation is confirmed, the admin page with show additional Link Service display box underneath. User need to tick Enable and apply to start the cloud connection. If you want to unplug your unit, just check clear that box and apply. It is no need to physically unplug your NUS Ethernet cable.

For more detail operation on CiragoLink service, please turn to the corresponding chapter.

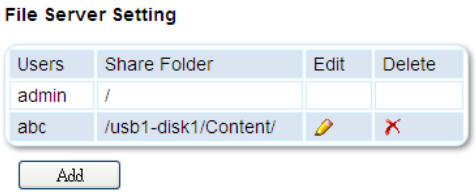


4.3. File Server

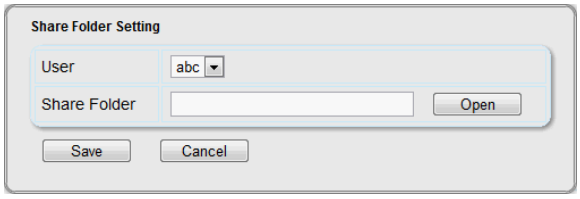
The NUS2000 is able to share connected USB storage devices as a File server for other network users. The file server can be access by SMB (Samba) or WebDAV protocol.

SMB is commonly used in PC environment, while WebDAV is used in Apple environment including the Mac, iPhone or iPad

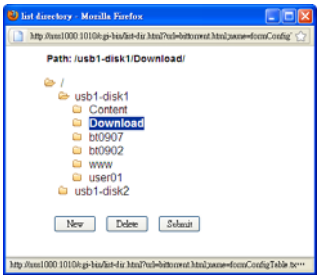
The File Server supports multiple users and you are able to assign single different home paths for each user. The “admin” is the default user which has the access rights to the root path “/”, i.e. to all disk partitions. Starting from version 2.2, the management of Samba and WebDAV are unified.



Click “Add” to add existing user from user list and edit the corresponding path to have the access of the File Server



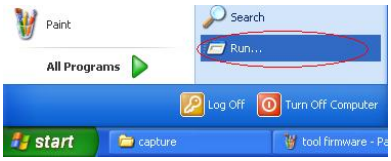
Each user is allowed to have the right to access a single path, which can be the “/” root path, the partitions “\usb1-disk1” or a specific folder.

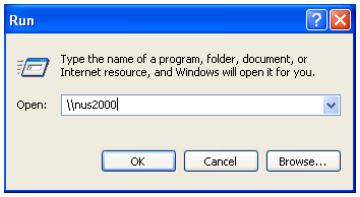


Samba Access

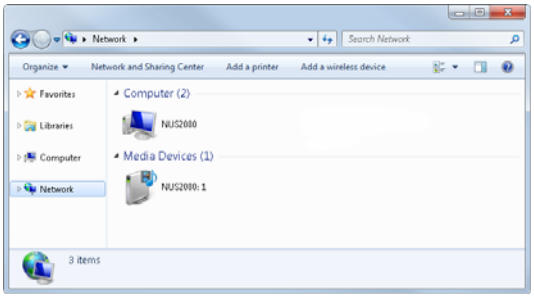
You can access the File Server from your computer with Window XP:

i. Enter Network Neighborhood and double click the NUS2000 icon
ii. Click “Start” > “Run” > Open “\\nus2000” or “\\<ip address>”





Or computer running Win 7, the NUS2000 server is automatically shown under the Network category



WebDAV Access

WebDAV is based on the Http protocol. It requires special client to support the access but cannot be used by a general browser such as IE, Firefox or Safari to achieve this.

For example, Mac has the built-in client supporting WebDAV access. This is similar to access a website by typing the URL address such as http://<ip address>

In an Apple environment, you can make use of bonjour to name the server on the LAN. You simply type

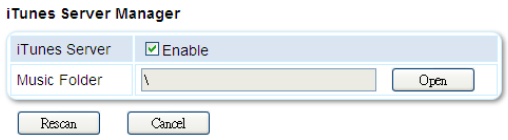
http://nus2000**.local**:9880

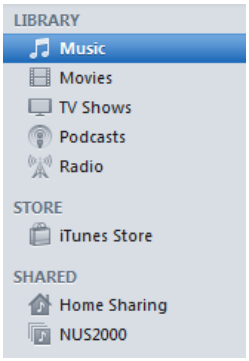
Which will connect to the NUS2000 WebDAV file server, you then enter the username and password into the prompt. The “.local” is the bonjour convention for the name of NUS2000 and the “:9880” is the tcp port number used for WebDAV.

Chapter 7 has more detail information on the setup and usage of the WebDAV client on local LAN and remote access to the NUS storage.

4.4. iTunes Server

This page allows you to setup a specific path that stores your music library that can be viewed and played by your iTunes program on your computer. By default, a directory path including all USB drives is selected. However it is recommended you setup the specific path to where you are storing your music files as this will improve the scanning time.



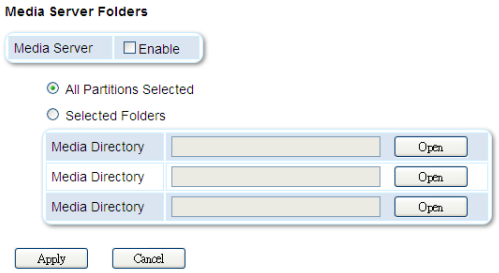


If the iTunes Server is running, the button on the left will show Rescan, otherwise it will show APPLY.

Open iTunes on your PC or Mac and the NUS2000 will be displayed under the SHARED tab. The music from storage devices attached to the NUS2000 will be displayed.

4.5. Media Server

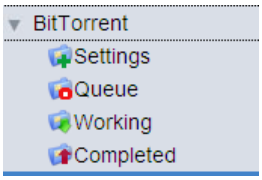
This page allows you to setup the path for the content directories for the Media Server. The Media Server services will scan the disk for the specific file types and associate to the category of Video, Music and Photo. Based on UPnP media streaming protocol, the Media Server can be found by other Digital Media Players on your local network.



By default, a directory path including all USB drives is selected. However, we recommend using the 3 directory paths to group the content in order to improve the performance of the NUS2000 while scanning media files.

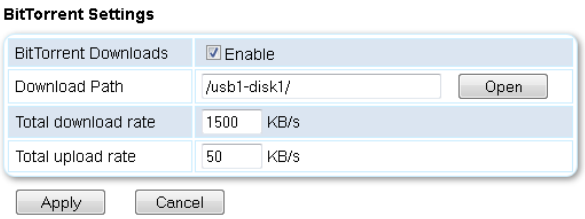
4.6. BitTorrent Client

This page is used to configure the unit to use BitTorrent technology to download files from the Internet. After a file is downloaded, it can be transferred to a computer either by network file sharing or connecting the USB storage device to your computer. The seed will undergo different stage until the data is downloaded.



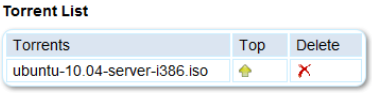
Settings

Select Enable for BT Download and then select the path for the download file. In NUS2000, you can also setup the total download and upload rate. Then click “Apply” to save your settings.



Queue

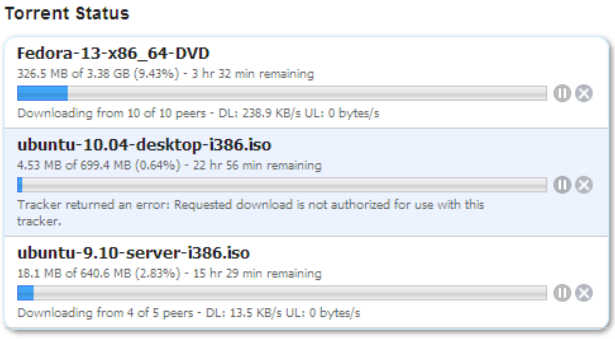
On the BitTorrent -> Queue page, BT seeds can be added. Browse to where the torrent files are located on your local computer, select it, and then click on “Add”. The torrent seed will be queued up in the list. If there is a download slot available, the queued torrent will automatically download and be displayed on the “Working” list.



In the torrents queue list, you can click the “Top” or “Delete” icons to move up the torrent so as to prioritize the downloading sequence or to remove the torrents respectively.

Working

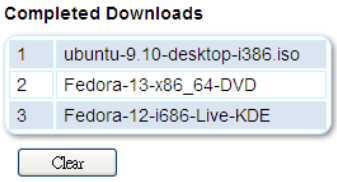
The list of current downloads are displayed in this page. The device allows up to a maximum of 4 active downloads at a time. For each torrent, you can see the information and status of the torrents. At the right side of each torrent row, there are round buttons for “pause/resume” and “delete”. Click to highlight the desired torrent and then click on the button to carry out the function.


Torrent Status
Fedora-13-x86_64-DVD
326.5 MB of 3.38 GB (9.43%) - 3 hr 32 min remaining
Downloading from 10 of 10 peers - DL: 238.9 KB/s UL: 0 bytes/s
ubuntu-10.04-desktop-i386.iso
4.53 MB of 699.4 MB (0.64%) - 22 hr 56 min remaining
Tracker returned an error: Requested download is not authorized for use with this tracker.
ubuntu-9.10-server-i386.iso
18.1 MB of 640.6 MB (2.83%) - 15 hr 29 min remaining
Downloading from 4 of 5 peers - DL: 13.5 KB/s UL: 0 bytes/s

After the content has been downloaded, the device will automatically move the content to the subdirectory “Finished” under the Download Directory and the torrent will automatically be removed. The finished downloaded list can be seen under the “Completed” page under BitTorrent submenu. You can manually clear the list or when you select a new Download directory, the list will reset.

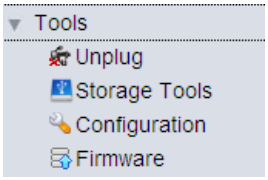
Completed

The completed download torrents will list here as shown.



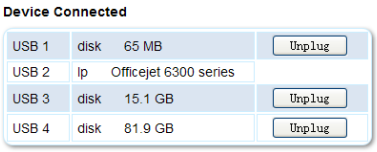
4.7. Tools

All the utilities are grouped under the TOOLS menu.



Unplug

This allows users to safely unplug a connected USB device. Unlike the physical Unplug / Resume button located on the front panel, the Unplug feature in the web interface can select which USB device to unplug.

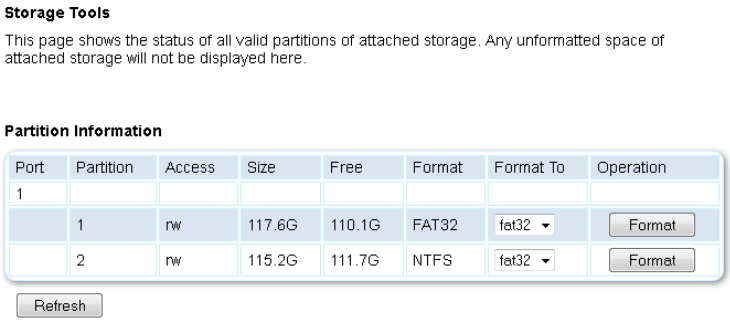


We recommend using the web interface to unplug any USB devices. This will prevent loss of any data or processes that are in progress on storage devices that are still connected to the NUS2000.

Storage Tools

This tool allows you to view the partitions and format the storage devices in each USB port. The device supports read/write format for NTFS, FAT32 or EXT2. To format an attached hard disk, select the desired format from the pull down menu and click on “Format”.

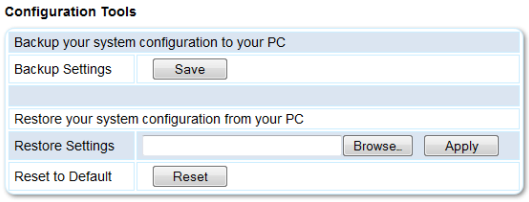
Please note that formatting a connected hard drive will erase all the data that is on it. Please make sure to back up any important files before formatting your hard drive.


Storage Tools
This page shows the status of all valid partitions of attached storage. Any unformatted space of attached storage will not be displayed here.
Partition Information
Port Partition Access Size Free Format Format To Operation
1
1 rw 117.6G 110.1G FAT32 fat32 Format
2 rw 115.2G 111.7G NTFS fat32 Format
Refresh

NOTE: The device can format an entire uninitialized hard disk. It cannot create multiple partitions. It can however format multiple partitions if they have already been allocated before connecting them to the NUS2000. Using EXT2 formatted disks on a Windows PC may need the installation of additional software on the PC, such as “EXT2FSD” (http://www.ext2fsd.com/)

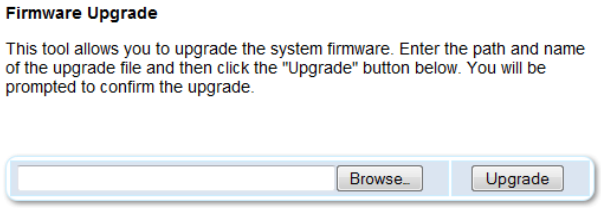
Configure Tools

Click on the SAVE button to backup your NUS2000 settings. You can use this saved file to restore your configuration at a later time. The configuration can also be reset to the factory default setting by clicking the Reset button.



Firmware

This tool allows you to upgrade the firmware of the NUS2000. Click on Browse to select the firmware file to upload, and then click on Upgrade. The system will prompt you to confirm the upgrade. Please note that the system will reset to factory default settings after the upgrade, so it is advisable to backup your configuration and restore it after any firmware upgrades. However if there are new features in the new firmware, you can modify them and then re-save your configuration.


Firmware Upgrade
This tool allows you to upgrade the system firmware. Enter the path and name of the upgrade file and then click the "Upgrade" button below. You will be prompted to confirm the upgrade.
Browse...
Upgrade

4.8. Shutdown

You can either shutdown or reboot the NUS2000 from this menu.

a. Shutdown: Select the Shutdown button to turn off the NUS2000.

b. Reboot: Select the Reboot button to restart the NUS2000.

Shutdown
To protect the storage integrity, shutdown all processes before removing the power supply. Click "Shutdown" and wait until all USB device LEDs turn OFF, then unplug the system's power supply.
Shutdown
Reboot
Click "Reboot" to restart the system. Please refresh your browser after a few minutes to re-enter the webadmin page.
Reboot

5. Administration with iOS devices

The NUS2000 can also be managed via iPhone or iPad. In iPhone, open Safari and type:
http://nus2000.**local**:1010

The management flow is similar to that of the Web UI, except some functions are not applicable with iPhone, such as adding BitTorrent seeds. Other options such as the configuration save or restore and the image upgrade are recommended to be handled through a computer.

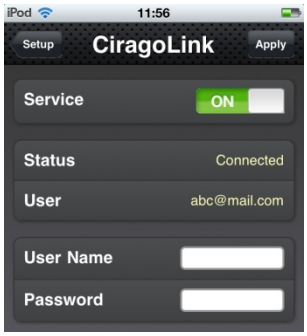
1. Status

Pressing Status will go one level down

2. Setup

Change server name and description

The screenshots show the add user and CiragoLink control, you can disconnect with the CiragoLink through a touch or associate the box with different user account in Ciragolink.com



3. Server

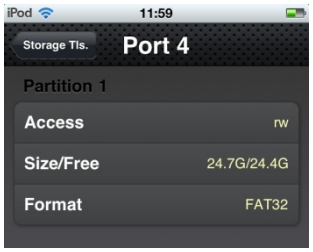
,

File sharing, assign a different folder path for different users, the default user “admin” has the “/” root path that can access all drives attached.

iTunes and media Store setup page allow you to enter the folder path for those iTunes music or media directory. Once set, you player can access them.

With BitTorrent service, you can change the setting path of the BitTorrent and review the download progress of the working torrents.

4. Tools



This section is different with the Web UI. It will only allow you to unplug the USB drive and show details of the storage item selected. The configuration and firmware upgrade settings are omitted.

5. Shutdown

Select either to shutdown (when you want to power-off the unit) or reboot the unit.

6. Printer Installation

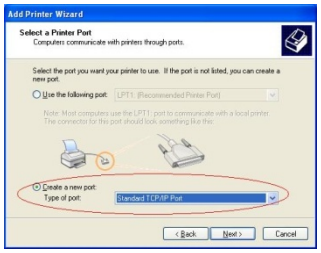
The NUS2000 can act as USB Print Server. Following are instructions on how to install the printer on different operating systems.

1. Windows XP

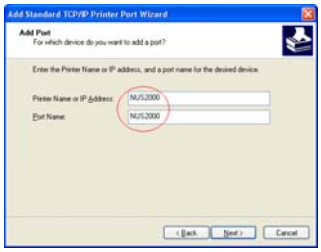
From the Start menu, go to Printer & Fax, then select Add Printer, the wizard will start.
Select local printer and unselect the option of “automatically detect and install my Plug and Play printer”. Click Next

Add Printer Wizard
Local or Network Printer
The wizard needs to know which type of printer to set up.
Select the option that describes the printer you want to use:
Local printer attached to this computer
Automatically detect and install my Plug and Play printer
A network printer, or a printer attached to another computer
To set up a network printer that is not attached to a print server, use the "Local printer" option.
< Back
Next >
Cancel

Select “Create a new port” and select the port type “Standard TCP/IP Port”. Click “Next”.


Add Printer Wizard
Select a Printer Port
Computers communicate with printers through ports.
Select the port you want your printer to use. If the port is not listed, you can create a new port.
Use the following port:
Create a new port:
Type of port:
Standard TCP/IP Port
< Back
Next >
Cancel

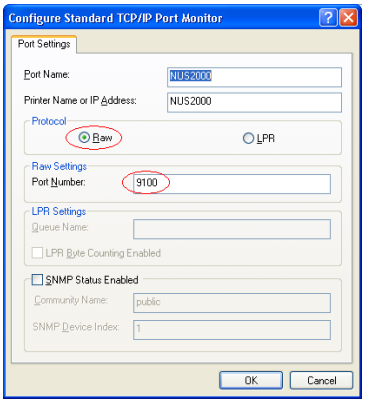
In the “Add Standard TCP/IP Printer Wizard” window, enter the IP address of the printer port. Enter the name of the device as “NUS2000” or if the name of the device was changed during setup, enter the new name assigned to it. If you chose to enter a fixed IP address in the network setup, enter an IP address.
Click “Next” to continue.


Add Standard TCP/IP Printer Port Wizard
Add Port
For which device do you want to add a port?
Enter the Printer Name or IP address, and a port name for the desired device.
Printer Name or IP Address:
NUS2000
Port Name:
NUS2000
< Back
Next >
Cancel

Select the “Custom” option and click on “Settings”

Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required
The device could not be identified.
The detected device is of unknown type. Be sure that:
1. The device is properly configured.
2. The address on the previous page is correct.
Either correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.
Device Type
Standard
Generic Network Card
Custom
Settings...
< Back
Next >
Cancel

The wizard will lead you to the page “Configure Standard TCP/IP Port Monitor”. Just use default configuration of Protocol with “RAW” and Raw Settings Port Number with “9100”

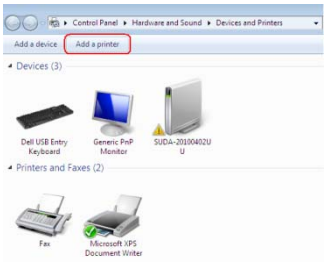


Click “OK”, then “Next” to complete the setup. Then the wizard will prompt you to select the printer driver to associate with this TCP printer port. Choose the printer model accordingly.

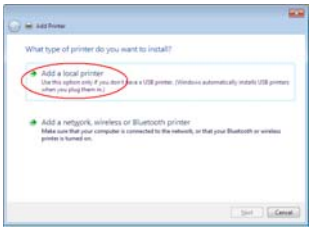
Print a test page to assure the setup is correct.

2. Windows 7

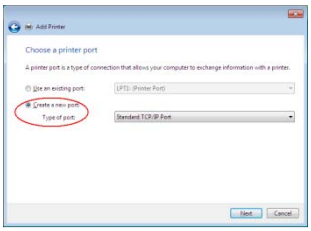
The setup steps in Windows 7 are similar to Windows XP Control Panel -> Hardware and Sound. Further select “Devices and Printers”. Click “Add a printer” in top menu bar.



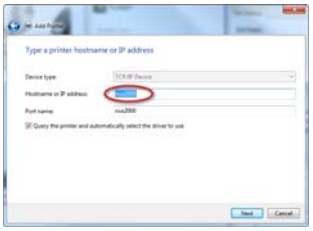
In the Add Printer Box, select to “Add a local printer”. Click “Next”.



Then in the Add Printer Box, select “Create a new port” and choose the “type of port” as “Standard TCP/IP Port” as shown.

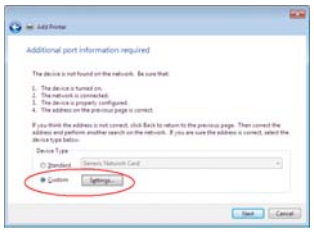


Click “Next” to continue. You will be prompted to enter the IP address for the device. Enter the name of the device “NUS2000” or if the name of the device was changed during setup, enter the new name assigned to it. If you chose to enter a fixed IP address in the network setup, enter an IP address.

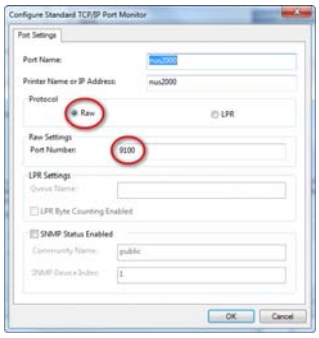


Select the “Query the printer and automatically select the driver to use”

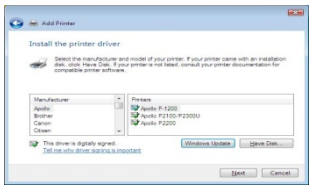
Click “Next” to continue. Under Device, choose “Custom” and click “Settings”.



The system will then prompt you to setup the TCP/IP Port Monitor. Just use default configuration of Protocol with “RAW” and Raw Settings Port Number with “9100”



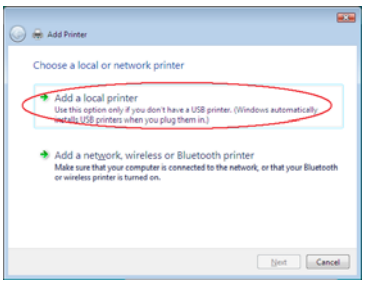
Click “OK” to continue. You will be prompted to select your printer.



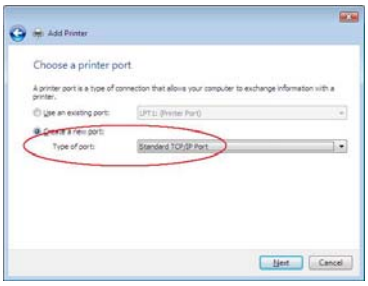
Enter a printer name and print a test page to ensure successful printer setup.

3. Windows Vista

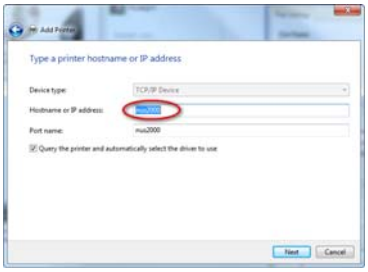
The setup steps in Windows Vista is similar to XP
Enter Control Panel -> Printer
Right click and select “Add Printer”
In the Add Printer Box, select to add “Local Printer”, click “Next”


Add Printer
Choose a local or network printer
Add a local printer
Use this option only if you don't have a USB printer. (Windows automatically installs USB printers when you plug them in.)
Add a network, wireless or Bluetooth printer
Make sure that your computer is connected to the network, or that your Bluetooth or wireless printer is turned on.
Next
Cancel

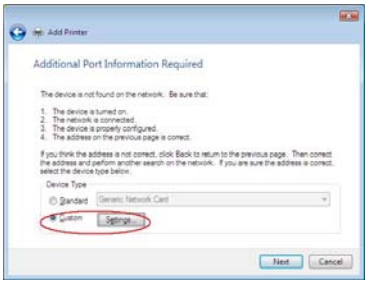
Then in the Add Printer Box, select “Create a new port” and choose the “type of port” as “Standard TCP/IP Port” as shown.



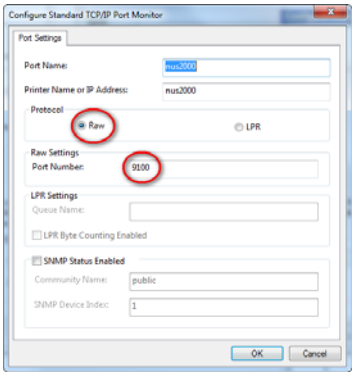
Click “Next” to continue. You will be prompted to enter the IP address for the device. Enter the name of the device “NUS2000” or if the name of the device was changed during setup, enter the new name assigned to it. If you chose to enter a fixed IP address in the network setup, enter an IP address.
Select the “Query the printer and automatically select the driver to use”



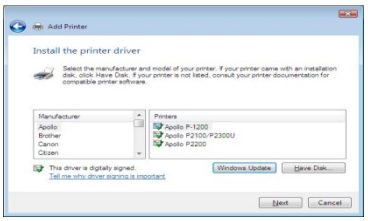
Click “Next” to continue. Under Device, choose “Custom” and click “Settings”.



The system will then prompt you to setup the TCP/IP Port Monitor. Just use default configuration of Protocol with “RAW” and Raw Settings Port Number with “9100”



Click “OK” to continue. You will be prompted to select your printer.

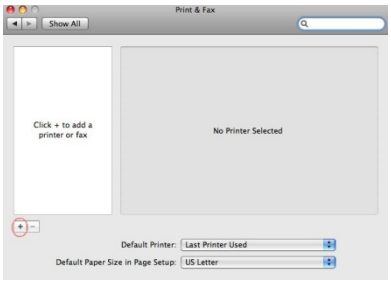


Enter a printer name and print a test page to ensure successful printer setup.

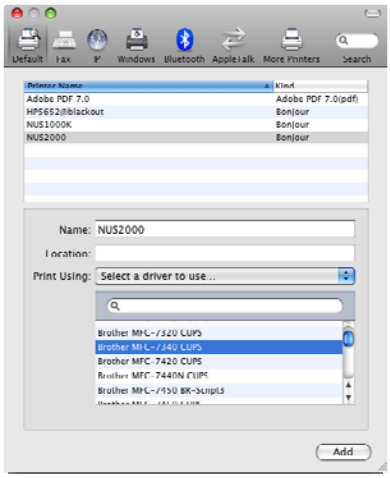
4. Apple OS

From the desktop, enter “System Preferences” and open “Print & Fax”.

Add new printer by clicking “+”.


Print & Fax
Show All
Click + to add a printer or fax
No Printer Selected
Default Printer: Last Printer Used
Default Paper Size in Page Setup: US Letter

Select Default and locate the print server by Bonjour, then select the correct driver of the printer.



Port Used for Print Server: 9100 TCP

7. CiragoLink - (Remote Access)

Remote Access Instructions

The NUS2000 now comes with a new feature – you can remotely access your content from anywhere in the world! You can access files on your iPhones, Android Phones, iPad and other tablet or regular computer using any WebDAV App.

WebDAV (Web-based Distributed Authoring and Versioning) is a set of methods based on the HTTP (Hypertext Transfer Protocol) that allows users in editing and managing documents and files stored on a remote web server. WebDAVclient application is required to work with the CiragoLink.com remote service.

In order for you to access remotely, you need to activate your NUS2000 and configure it as a WebDAV server. Please follow the instruction below.

Furthermore, since WebDAV requires a client application (not included in the package) to be installed in your computer or mobile devices (such as iPad) for remote access, below are instructions that will guide you through on how to obtain the WebDAV application as well.

Here's how to get started:

Register for the CiragoLink Service

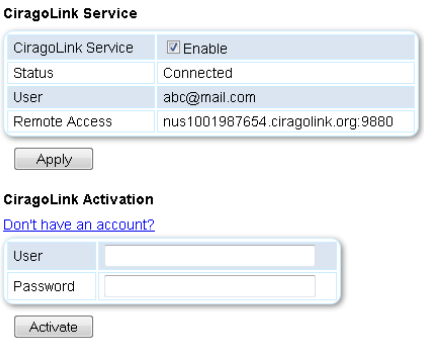
1. Launch your web browser and visit www.ciragolink.com and register a user account. An email will sent to your registered email, please reply to confirm your account creation.

2. Go back to your NUS2000's admin page (Default: http://nus2000:1010) and from the menu on the left, click on Setup >CiragoLink

*** IMPRORTANT: Make sure to change your admin password before activate the NUS as your storage will be exposed to Internet.

3. Enter the User and Password of the newly created account onto the box, then click "Actiave" The NUS will complete the process, get the unit connecting to the Ciragolink and associate your NUS with the account

The CiragoLink Service box will appear and the Status will show with "Connected" after a while for the NUS box to establish the connection with the CiragoLink cloud.



Besides, there are additional name showing the WebDAV Remote Access URL.

4. Now your NUS storage is ready to be access remotely through any application with WebDAV client.

Remotely Accessing the NUS2000 Admin Page

You can also remotely access the admin page through any desktop or laptop computer with an internet browser by using the below URLs on:

http://nus*********.ciragolink .com:1010 **OR** http://*alias*.ciragolink.com:1010

This means you can also initiate BitTorrent downloads remotely, create new user accounts and more from any web browser.

Remotely Accessing your Attached Storage Devices

You can access the NUS2000 remotely using the below steps. **Please note that you should only use remote access when you are <u>not</u> on your local network**. When you are on your local network, you can access the setup page by using http://nus2000:1010 or the NUS2000's IP address.

Smart Phones or Tablets:

iPhone / iPad / iTouch / Android / Blackberry:

There are free and paid apps for WebDAV on iOS, Android and Blackberry platforms. Paid apps normally give you more features, but if you just want basic access, then the free apps should be just fine. Search the app store for "WebDAV" and a list of applications will come up.

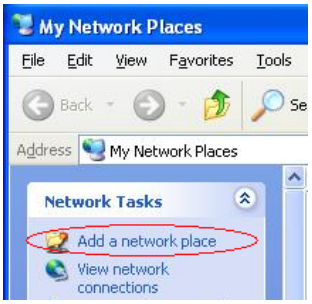
1. Download and install a WebDAV compatible application.
2. Add the URL: http://nus*********.ciragolink .com:9880 (where * indicates the deviceID of the NUS2000). Always make sure to include "http://" in front of the address and port # 9880
3. You will be prompted to enter your User name and password *(case sensitive)*. This will give you access to the shared drives. For further information consult the program's user manual.
4. Transfer speeds will vary depending on your internet connection. CiragoLink allows up to 250KB/s download transfer rate per NUS2000.

★ **WebDAV** applications will allow you to remotely log in to your NUS devices. You will need the following information to set up your remote access through WebDAV:

1. NUS2000 Device name (default is NUS2000)
2. NUS2000's Device ID (located under Status > Information)
3. Username and passwords for users ***(Usernames and Passwords are Case Sensitive)***
4. Local Access use: http://nus2000:9880 (on PC) – http://nus2000.local:9880 (on Macintosh/Apple)
5. Remote Access use: http://nus*********.ciragolink .com:9880 (where * indicates the device ID of the NUS2000)

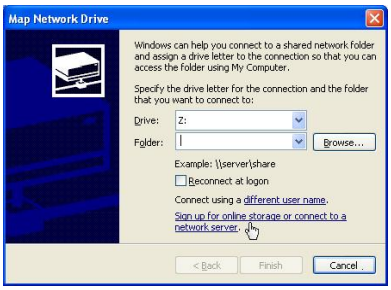
Setup Remote Access for WinXP

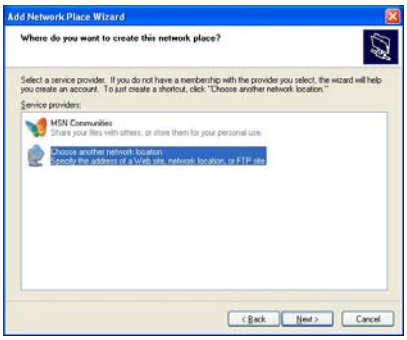
Go to My Network Places, or you can find it from Start Menu.



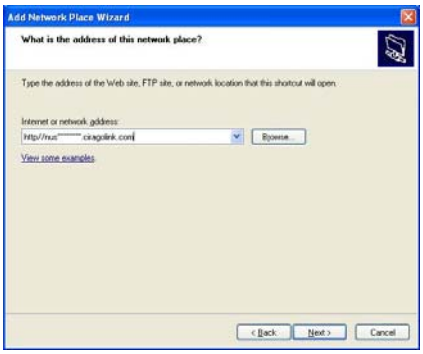
Select “Add a network place” form the left,

or under Tools Menu, select Map Network Drive, and click on “Sign up for online storage or connect to a network server” link.


Map Network Drive
Windows can help you connect to a shared network folder and assign a drive letter to the connection so that you can access the folder using My Computer.
Specify the drive letter for the connection and the folder that you want to connect to:
Drive:
Folder:
Browse...
Example: \\server\share
Reconnect at logon
Connect using a different user name.
Sign up for online storage or connect to a network server.
< Back
Finish
Cancel



Wizard will appear. Select “Choose another network location” option and click next

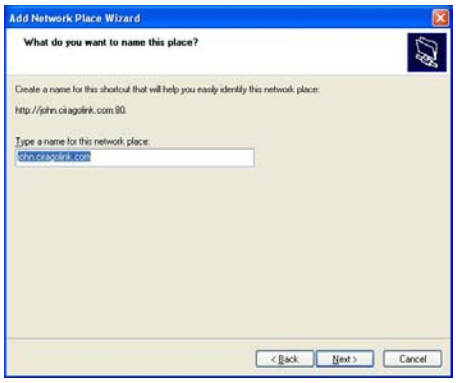

Add Network Place Wizard
What is the address of this network place?
Type the address of the Web site, FTP site, or network location that this shortcut will open.
Internet or network address:
Browse...
View some examples.
< Back
Next >
Cancel

Enter your Ciragolink server address (http://nus*****.ciragolink.com:9880), or if you made changes of the server name. For example: http://john.ciragolink.com:9880. (Note: You need to have “http://” included.)

Connect to john.ciragolink.com
The server john.ciragolink.com at admin requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name:
John

An authentication dialog will appear. You may enter any user name and password that has been registered in NUS2000 setting. (Note: This authentication is case sensitive.)

You can also name the network place when needed.

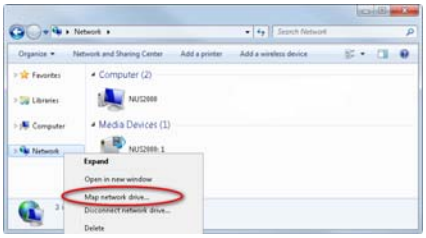

Add Network Place Wizard
What do you want to name this place?
Create a name for this shortcut that will help you easily identify this network place:
http://john.ciragolink.com:80
Type a name for this network place:
john.ciragolink.com
< Back
Next >
Cancel

When connected, an icon will be appeared in My Network Places. Now you can remote access your NUS2000 device from anywhere.

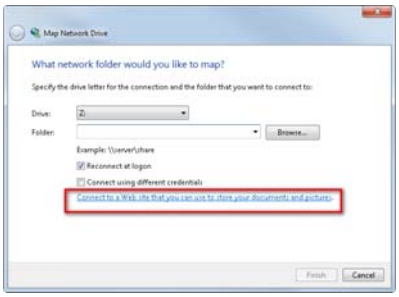
Alternative: Download a free WebDAV program named “DataFreeway” http://www.enginsite.com/Download.htm#Freeware and configure the server with the device name, URL, User name and Password. This will initiate a connection and allow you to access your shared data.

Setup Remote Access for Windows 7/Vista built-in software:

Right click over the “Network” category on the left side menu of the window file explorer. Select “Map network drive…”



The wizard started, choose the bottom option “Connect to a Web site…..” as shown as below figure. And click “Next”

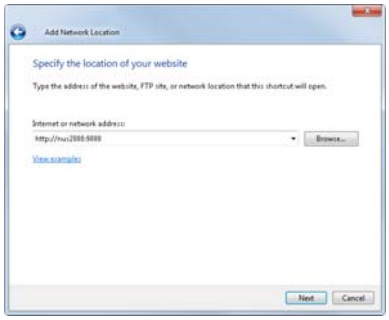

Map Network Drive
What network folder would you like to map?
Specify the drive letter for the connection and the folder that you want to connect to:
Drive:
Folder:
Browse...
Example: \\server\share
Reconnect at logon
Connect using different credentials
Connect to a Web site that you can use to store your documents and pictures.
Finish
Cancel

Until the right box appears, enter the url path information:

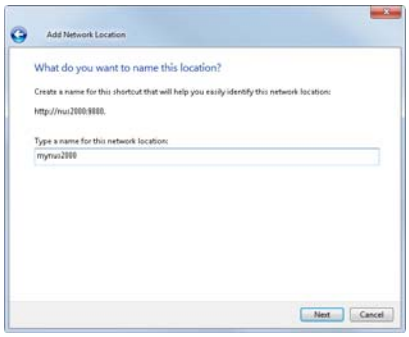
Local LAN: http://nus2000:9880

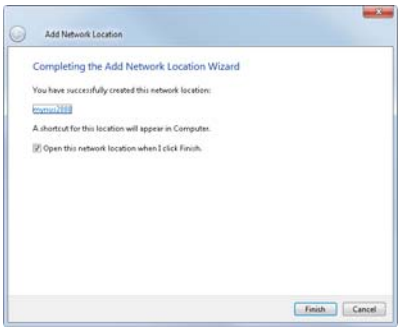
Remote Access: http://nus....ciragolink.com:9880

The wizard will ask for authentication to confirm your setup.

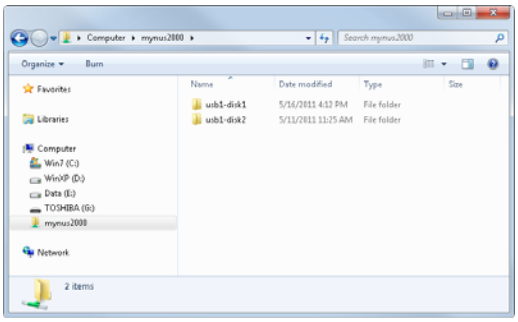

Add Network Location
Specify the location of your website
Type the address of the website, FTP site, or network location that this shortcut will open.
Internet or network address:
Browse...
View examples
Next
Cancel

Then the wizard will ask you to complete with an alias for the new network drive as shown below.


Add Network Location
What do you want to name this location?
Create a name for this shortcut that will help you easily identify this network location:
Type a name for this network location:
mynus2000
Next
Cancel


Add Network Location
Completing the Add Network Location Wizard
You have successfully created this network location:
A shortcut for this location will appear in Computer.
Open this network location when I click Finish.
Finish
Cancel

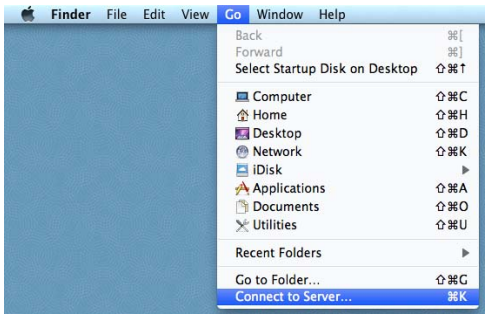
At last, you go back to the File Explorer window, you can notice that the new alias appears below the “Computer” category, you can then access this Webdav drive accordingly.



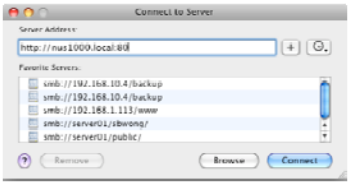
Alternative: Download a free WebDAV program named “DataFreeway” http://www.enginsite.com/Download.htm#Freeware and configure the server with the device name, URL, User name and Password. This will initiate a connection and allow you to access your shared data.

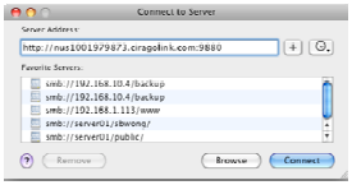
Mac OSX built-in software:

Mac OSX computer is able to connect to WebDAV server without installing the client application:



Enter the URL of http://nus2000.local:9880 for local LAN access
And URL of http://nus**********.ciragolink.com:9880 for remote access

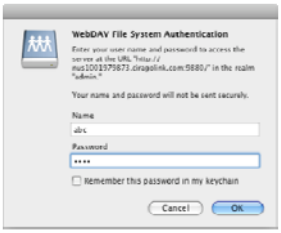


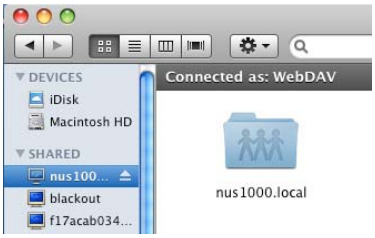


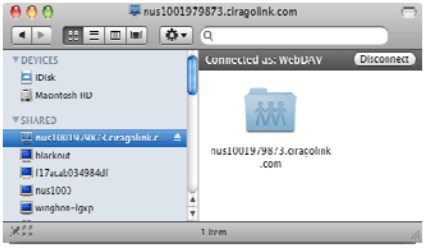
T

Then enter the User name and the password to get access to the NUS box

And the disk is connected and ready to use.







iPhone / iPad

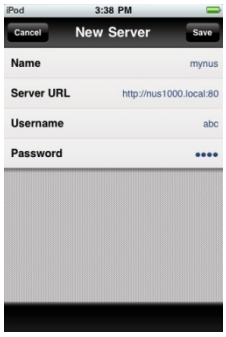
You need to install the app before you can use the WebDAV to communicate with the NUS, There are popular app that has the build-in support of the WebDAV such as

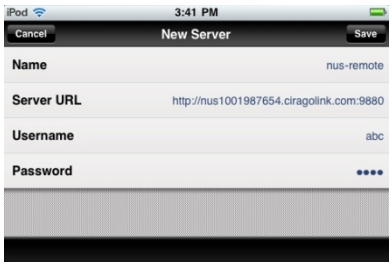
- Numbers, Keynotes & Pages from Apple Inc
- GoodReader from Good.iWare
- ezShare Pro from Antrecea Inc.
- Onedisk from Readdle

Besides those paid app, there is also free app support WebDAV, the WebDAV Navigator. After you install the app and start the app, follow step to start the accessing NUS WebDAV drive:

Start the WebDAV Navigator app
Press “+” on top right to add a server

Enter the information as shown
for local LAN or remote disk access correspondingly and press “Save”





Then you can start to access the WebDAV drive by selecting the corresponding server whether it is on the local LAN or remotely through the Internet.

8. Usage Tips

1 Hardware

1.1 We do not recommend connecting two units of a 2.5" USB Storage device subject to the limitation of the power adaptor and rating of the USB drives. You may need to insert the auxiliary USB power cord supplied with your USB drive.

1.2 Do not unplug the USB storage when the storage LEDs are flashing. Push the Eject button (for 1 sec at least) and wait until the USB LEDs are off. The more efficient way to unplug connected USB devices is to use the "Unplug" command in the Web Interface to select the individual USB port you wish to unplug.

1.3 Do not unplug the power. Use the "Shutdown" command in the web interface and wait until all USB LEDs are off. Alternatively, you can use the "Eject" button and unplug the power after all USB LED off.

2 Web Interface

2.1 Remember to add the ":1010" after the name or IP address of the NUS2000 to enter the web interface. The default port 80 is reserved for the WebDAV server access.

3 Naming of NUS box

3.1 The server name of NUS box is broadcast by NetBIOS in a PC environment, so that you can connect to it by just using the server name NUS also support the Bonjour naming service used by Apple devices, the box can be access by using the server name, such as NUS2000.local They are more convenient than using the IP address.

4 File Sharing

4.1 In specific user authorization mode, if you want a directory to be accessible by some users as read/write and other users as read only, create two folder names pointing to the same directory and assign different groups of users with different access rights.

4.2 The User list is stored in the device configuration, so it is saved when you save the system configuration under "Configure Tools".

4.3 Folder lists are associated with each drive

5 iTunes Server

5.1 Though the default allows the scanning of all attached drives, it is recommended to limit the scope of the media files scanning by specifying the directory assignment.

6 Media Server

6.1 Similar to iTunes Server, specifying the 3 directory entries to group the media files will improve the media file scanning performance.

7 BT Download

7.1 Assign an existing directory destination to save your BT downloads. Make sure the drive is not removed from NUS2000 before the download is complete.

7.2 You can only have 5 torrent files on the list. Remember to remove the torrent file from the list. Otherwise, it cannot accept any new seed.

7.3 As the BT process has a characteristic of allocating file space, it will take time to finish before it can handle new seeding. It is recommended to add your torrent files from small to large in order to get the best response.

9. **Specifications**

Hardware

Power	100 – 240 AC input, 5V, 3A DC output Typical 4W (not counting USB loads)
Weight	4.4 oz / 125 gm
Network	10 /100/1000 Gigabit Ethernet
USB Ports	4 USB 2.0 host ports (type A connector)
USB Storage	Maximum capacity of 2 TB hard drive per USB port
LED Indicator	Power, LAN (Link & Activity), USB ports
Buttons	Reset & Eject

Function

File Storage	Samba, WebDAV
Storage Format	FAT32, EXT2 and NTFS
Print Server	RAW, supports one USB printer
Remote Access	WebDAV protocol via CiragoLink
WebDAV Server	HTTP
iTunes	Auto-discovery
Media Server	UPnP, Auto-discovery, DLNA compliant
BT Service	BitTorrent protocol, support for DHT to enhance peer discovery

Ports Used

Main Configuration	1010 TCP
WebDAV	9880 TCP
BitTorrent	9091 TCP
iTunes	3689 TCP
Print Server	9100 TCP

10. Contact Us

Please call or email us if you are having any trouble with the Cirago NUS2000.

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Fax: 408-331-8830
Email: support@cirago.com
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cirago